

MOOG

VIDEOLARM

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SM5

Compact Vandal-Resistant Surface Mount Dome-5"

www.videolarm.com

Installation and Operation Instructions for the following models:

- | | |
|---------|--|
| SM5C2N | Outdoor 5" IP Ready surface mount housing for a small PTZ camera, conduit input from the side and the top of the housing. 24Vac input, with heater/blower. Polycarbonate body and dome. IP66. 1" NPT threads for pedant mount - includes 1.5A 12Vdc camera power supply and wall transformer |
| SM5CF2 | (Fixed camera version of the SM5C2N) |
| ISM5CN | (Indoor version of the SM5C2N without the heater/blower and 1.5A 12Vdc camera power supply and wall transformer) |
| ISM5CF | (Indoor version of the SM5CF2 without the heater/blower and 1.5A 12Vdc camera power supply and wall transformer) |
| SM5C24N | (24Vac only version of the SM5C2N) |
| SM5CF24 | (Fixed camera version of the SM5C24N) |

Before attempting to connect or operate this product, please read these instructions completely.

81-IN5431
01-31-2012

IMPORTANT SAFEGUARDS

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with damp cloth.
- 7 Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
- 8 Cable Runs- All cable runs must be within permissible distance.
- 9 Mounting - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit.

Accordingly:

- a. The installation should be made by a qualified installer.
 - b. The installation should be in compliance with local codes.
 - c. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit.
- 10 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 - 11 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
 - 12 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 - 13 Only use attachment/ accessories specified by the manufacturer.
 - 14 Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
 - 15 Unplug this apparatus during lighting storms or when unused for long periods of time.
 - 16 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

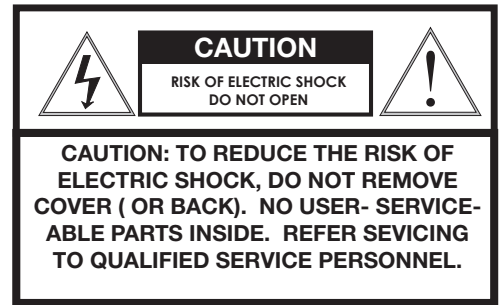
- 1 The shipping carton and packaging material.
They are the safest material in which to make future shipments of the equipment.
- 2 These Installation and Operating Instructions.

SERVICE

If technical support or service is needed, contact us at the following number:

TECHNICAL SUPPORT
AVAILABLE 24 HOURS
1 - 800 - 554 -1124

SAFETY PRECAUTIONS



The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk to persons.

Este símbolo se piensa para alertar al usuario a la presencia del "voltaje peligroso no-aislado" dentro del recinto de los productos que puede ser un riesgo de choque eléctrico.

Ce symbole est prévu pour alerter l'utilisateur à la présence "de la tension dangereuse" non-isolée dans la clôture de produits qui peut être un risque de choc électrique.

Dieses Symbol soll den Benutzer zum Vorhandensein der nicht-Isolier "Gefährdungsspannung" innerhalb der Produkteinschließung alarmieren die eine Gefahr des elektrischen Schlages sein kann.

Este símbolo é pretendido alertar o usuário à presença "di tensão perigosa non-isolada" dentro do cerco dos produtos que pode ser um risco de choque elétrico.

Questo simbolo è inteso per avvertire l'utente alla presenza "di tensione pericolosa" non-isolata all'interno della recinzione dei prodotti che può essere un rischio di scossa elettrica.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Este símbolo del punto del exclamation se piensa para alertar al usuario a la presencia de instrucciones importantes en la literatura que acompaña la aplicación.

Ce symbole de point d'exclamation est prévu pour alerter l'utilisateur à la présence des instructions importantes dans la littérature accompagnant l'appareil.

Dieses Ausruf Punktsymbol soll den Benutzer zum Vorhandensein de wichtigen Anweisungen in der Literatur alarmieren, die das Gerät begleitet.

Este símbolo do ponto do exclamation é pretendido alertar o usuário à presença de instruções importantes na literatura que acompanha o dispositivo.

Questo simbolo del punto del exclamation è inteso per avvertire l'utente alla presenza delle istruzioni importanti nella letteratura che accompagna l'apparecchio.



Limited Warranty for Moog Videolarm Products

Moog Videolarm warrants these products to be free from defects in material or workmanship as follows:

PRODUCT CATEGORY	PARTS \ LABOR
All Enclosures and Electronics*	Five (5) Years
Poles/PolEvators™/CamEvator	Three (3) Years
Warrior Series™/Q-View™/IR Illuminators	Five (5) Years
SView Series™	Five (5) Years **6 months if used in auto scan/tour operation
Controllers	Five (5) Years
Power Supplies	Five (5) Years
EcoKit	Three (3) Years
Accessory Brackets	Five (5) Years
Liberty Dome	Three (3) Years
*DeputyDome™, NiteTrac™, Igloo Dome, PurgeDome™	Three (3) Years **6 months if used in auto scan/tour operation

During the labor warranty period, to repair the Product, Purchaser will either return the defective product, freight prepaid, or deliver it to Moog Videolarm Inc. Decatur GA. The Product to be repaired is to be returned in either its original carton or a similar package affording an equal degree of protection with a RMA # (Return Materials Authorization number) displayed on the outer box or packing slip. To obtain a RMA# you must contact our Technical Support Team at 800.554.1124, extension 101. Moog Videolarm will return the repaired Product freight prepaid to Purchaser. Moog Videolarm is not obligated to provide Purchaser with a substitute unit during the warranty period or at any time. After the applicable warranty period, Purchaser must pay all labor and/or parts charges.

The limited warranty stated in these product instructions is subject to all of the following terms and conditions.

TERMS AND CONDITIONS

1. NOTIFICATION OF CLAIMS: WARRANTY SERVICE: If Purchaser believes that the Product is defective in material or workmanship, then written notice with an explanation of the claim shall be given promptly by Purchaser to Moog Videolarm. All claims for warranty service must be made within the warranty period. If after investigation Moog Videolarm determines the reported problem was not covered by the warranty, Purchaser shall pay Moog Videolarm for the cost of investigating the problem at its then prevailing per incident billable rate. No repair or replacement of any Product or part thereof shall extend the warranty period of the entire Product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the Product parts warranty, whichever is greater.

2. EXCLUSIVE REMEDY: ACCEPTANCE: Purchaser's exclusive remedy and Moog Videolarm's sole obligation is to supply (or pay for) all labor necessary to repair any Product found to be defective within the warranty period and to supply, at no extra charge, new or rebuilt replacements for defective parts.

3. EXCEPTIONS TO LIMITED WARRANTY: Moog Videolarm shall have no liability or obligation to Purchaser with respect to any Product requiring service during the warranty period which is subjected to any of the following: abuse, improper use, negligence, accident, lightning damage or other acts of God (i.e., hurricanes, earthquakes), modification, failure of the end-user to follow the directions outlined in the product instructions, failure of the end-user to follow the maintenance procedures recommended by the International Security Industry Organization, written in product instructions, or recommended in the service manual for the Product. Furthermore, Moog Videolarm shall have no liability where a schedule is specified for regular replacement or maintenance or cleaning of certain parts (based on usage) and the end-user has failed to follow such schedule; attempted repair by non-qualified personnel; operation of the Product outside of the published environmental and electrical parameters, or if such Product's original identification (trademark, serial number) markings have been defaced, altered, or removed. Moog Videolarm excludes from warranty coverage Products sold AS IS and/or WITH ALL FAULTS and excludes used Products which have not been sold by Moog Videolarm to the Purchaser. All software and accompanying documentation furnished with, or as part of the Product is furnished "AS IS" (i.e., without any warranty of any kind), except where expressly provided otherwise in any documentation or license agreement furnished with the Product. Any cost associated with removal of defective product and installation of replacement product is not included in this warranty.

4. PROOF OF PURCHASE: The Purchaser's dated bill of sale must be retained as evidence of the date of purchase and to establish warranty eligibility.

DISCLAIMER OF WARRANTY

EXCEPT FOR THE FOREGOING WARRANTIES, Moog Videolarm HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY AND/OR ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY WARRANTY WITH REGARD TO ANY CLAIM OF INFRINGEMENT THAT MAY BE PROVIDED IN SECTION 2-312(3) OF THE UNIFORM COMMERCIAL CODE AND/OR IN ANY OTHER COMPARABLE STATE STATUTE. Moog Videolarm HEREBY DISCLAIMS ANY REPRESENTATIONS OR WARRANTY THAT THE PRODUCT IS COMPATIBLE WITH ANY COMBINATION OF NON-Moog Videolarm PRODUCTS OR NON-Moog Videolarm RECOMMENDED PRODUCTS PURCHASER MAY CHOOSE TO CONNECT TO THE PRODUCT.

LIMITATION OF LIABILITY

THE LIABILITY OF Moog Videolarm, IF ANY, AND PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DAMAGES FOR ANY CLAIM OF ANY KIND WHATSOEVER, REGARDLESS OF THE LEGAL THEORY AND WHETHER ARISING IN TORT OR CONTRACT, SHALL NOT BE GREATER THAN THE ACTUAL PURCHASE PRICE OF THE PRODUCT WITH RESPECT TO WHICH SUCH CLAIM IS MADE. IN NO EVENT SHALL Moog Videolarm BE LIABLE TO PURCHASER FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION, REIMBURSEMENT OR DAMAGES ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS OR FOR ANY OTHER REASON WHATSOEVER.



Electrical Specifications

Power 24VAC
Class 2 Only

SM5C2N
SM5CFN
ISM5CN
ISM5CF



24 VAC
Accessories:
Camera Power:
Tools Required:

Heater/ Blower: 40 Watts
SEE CAMERA MANUAL
Phillips Head Screwdriver
5/16" Allen Wrench

English



24 VAC
Accesorios: Calentador: 40 watts, Soplador: 40 Watts
Energía De la Cámara fotográfica: SEE CAMERA MANUAL
Las Herramientas Requerieron: Destornillador Principal Plano Del
5/16" Allen Wrench.

Español



24 VCA
Accessoires : Réchauffeur:40 watts, Ventilateur: 40 Watts
Puissance D'Appareil-photo : SEE CAMERA MANUAL
Les Outils Ont exigé : 5/16" Allen Wrench.
Tournevis Principal Phillips.

Français



24 VAC
Zusatzgeräte: Heizung: 40 watts, Gebläse: 40 Watts
Kamera-Energie: SEE CAMERA MANUAL
Werkzeuge Erforderten: 5/16" Allen Wrench
Kreuzkopfhauptschraubenzieher.

Deutsch



24 VAC
Acessórios: Calefator:40 watts, Ventilador: 40 Watts
Poder Da Câmera: SEE CAMERA MANUAL
Ferramentas Requeridas: 5/16" Allen Wrench.
Chave de fenda Principal Phillips.

Portuguese

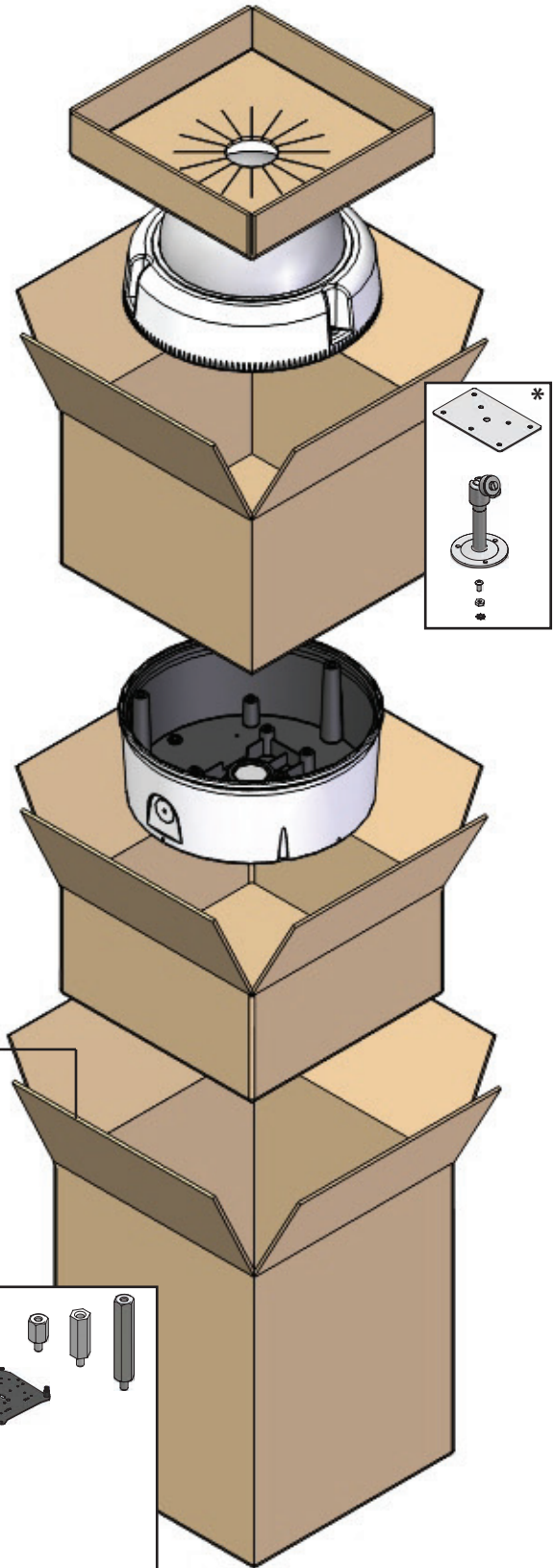


24 VCA.
Accessori: Riscaldatore:40 Watts, Ventilatore: 40 Watts
Alimentazione Della Macchina fotografica: SEE CAMERA MANUAL
Gli Attrezzi Hanno richiesto: 5/16" Allen Wrench
Cacciavite Capo "phillips".

Italiano

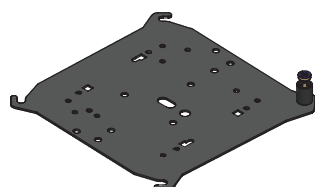
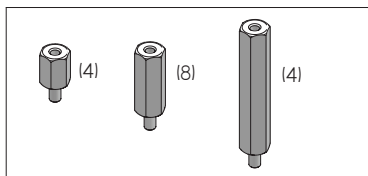
NOTE: The ISM5CN / ISM5CF (Indoor unit) have no powered accessories

Contents of Box



* FIXED units **ONLY**

PACKETS



(1) Mounting Plate



(1) 1/4 x 20 Bolt



(1) 1/4 Flat Washer



(1) 1/4 Lock Washer



(4) M3 6mm Bolt



(4) M3 Lock Washers



(7) 8 x 32 x 3/8" bolts

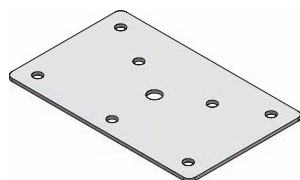


(2) 8 x 32 Nuts

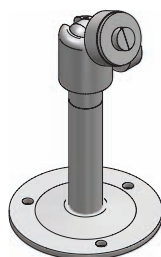


(2) 94-FSCT01

Fixed



(1) Mounting Plate



(1) Fixed Bracket



(7) 8 x 32 x 3/8" Bolt



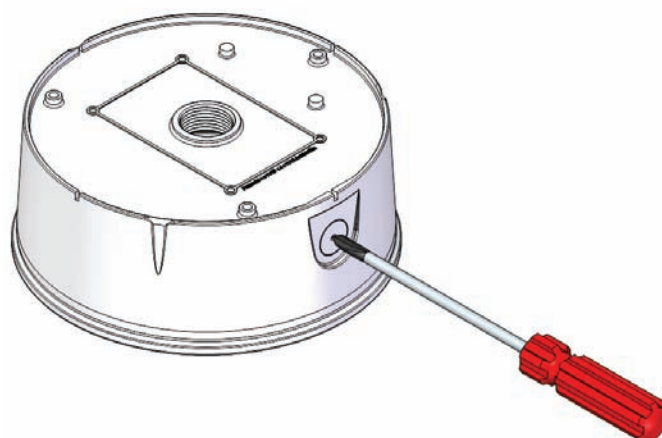
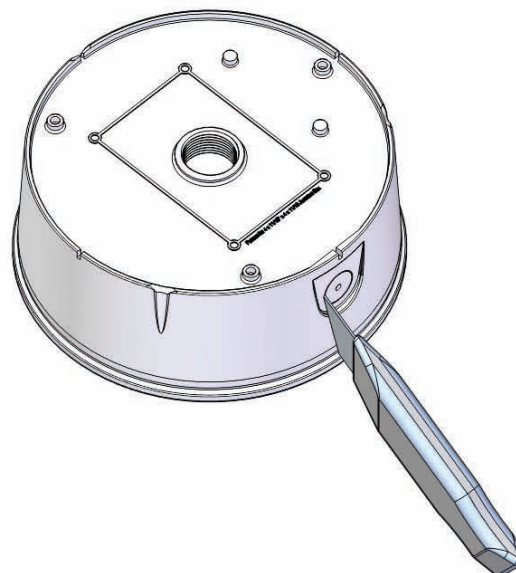
(3) 8 x 32 Nuts



(7) 8 x 32 Star Washers

1

For Surface Mounting using side conduit entrance

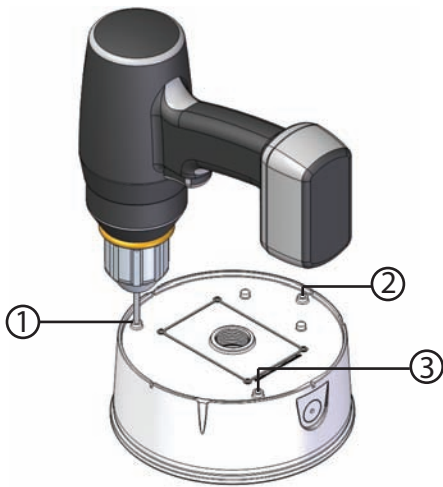


**Etch knockout slightly with utility knife.
Knock and hammer out 3/8" conduit opening
with blunt screw driver.**

- Golpe de gracia del grabado de pistas levemente con el cuchillo para uso general. Golpee y resuelva la abertura del conducto del 3/8" con destornillador embotado.
- Coup de grâce gravure à l'eau forte légèrement avec le couteau de service. Frappez et résolvez l'ouverture de conduit de 3/8" avec le tournevis émoussé.
- Ätzung-Ausscheidungswettkampf etwas mit Gebrauchsmesser. Klopfen Sie und hämmern Sie 3/8" Rohröffnung mit stumpfem Schraubenzieher.
- KO gravura em água forte ligeiramente com faca de serviço público. Bata e resolva a abertura da canalização do 3/8" com chave de fenda sem corte.
- Espulsore incisione all'acquaforte un po' con la lama pratica. Batti e risolva l'apertura del condotto del 3/8" con il cacciavite smussato.

For Surface Mounting using side conduit entrance

1

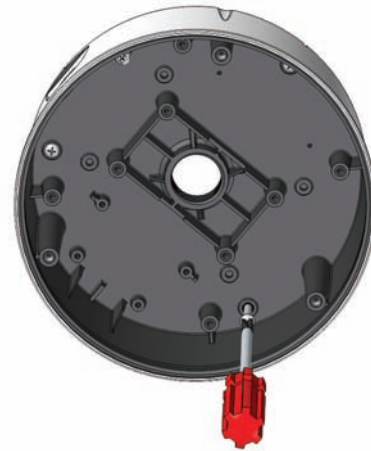


Drill out (3) mounting holes as shown for # 10 hardware (not supplied)

- Taladre (3) los agujeros de montaje como se muestra para # el hardware 10 (not supplied)
- Percez (3) les trous de montage comme montré pour # le matériel 10 (not supplied)
- Bohren Sie (3) Entlüftungslöcher wie gezeigt für # Hardware 10 heraus (not supplied)
- Fure (3) furos de montagem como mostrado para # a ferragem 10 (not supplied)
- Estragga (3) fori di montaggio come indicato per # fissaggi 10 (not supplied)

For Surface mount applications

2

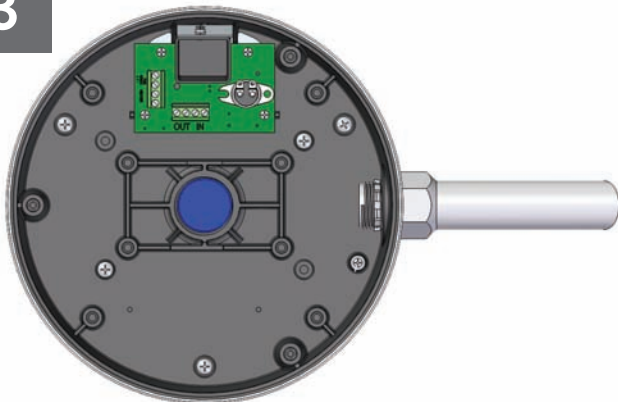


Mount securely to ceiling or mounting surface using the appropriate hardware

- Monte con seguridad a la superficie del techo o de montaje usando el hardware apropiado
- Montez solidement au plafond ou à la surface de montage utilisant le matériel approprié
- Bringen Sie sicher zur Decke oder zur Befestigungsfläche unter Verwendung der passenden Hardware an
- Monte firmemente à superficie do teto ou de montagem usando a ferragem apropriada
- Monti saldamente alla superficie di montaggio o del soffitto per mezzo dei fissaggi adatti

For Surface mount applications

3



Connect conduit fitting to knockout

- Conecte el conducto que cabe con el golpe de gracia
- Reliez le conduit s'adaptant au coup de grâce
- Schließen Sie das Rohr an, das an Ausscheidungswettkampf passt
- Conecte a canalização que cabe ao KO
- Collegli il condotto che si adatta all'espulsore

For Pendant or Wall mount bracket applications

4

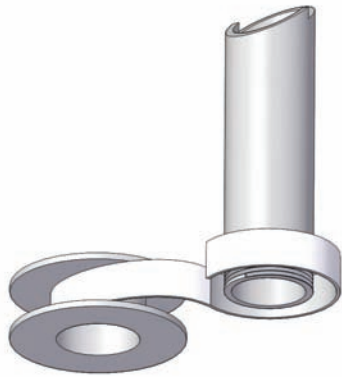


Remove plug with 5/8" Allen Wrench

- Quite el enchufe con la llave Allen del 5/8"
- Enlevez la prise clé Allen avec de 5/8"
- Entfernen Sie Stecker mit 5/8" Inbusschlüssel
- Remova o plugue com chave Allen do 5/8 de"
- Rimuova la spina con chiave di Allen del 5/8,,

For Pendant or Wall mount applications

5



Seal pipe threads with teflon tape supplied with outdoor housings

- Hilos de rosca de pipa del sello con la cinta del Teflon suministrada las cubiertas al aire libre
- Filetages de tuyauterie de joint avec la bande de teflon fournie avec les logements extérieurs
- Dichtungsrohrgewinde mit dem Teflonklebeband geliefert mit im Freengehäusen
- Linhas de tubulação do selo com a fita do Teflon fornecida com as carcaças ao ar livre
- Filetti di tubo della guarnizione con nastro adesivo del Teflon fornito con gli alloggiamenti esterni

For Pendant or Wall mount applications

6



Thread housing to optional pendent pipe or wall mount bracket

- Hilo de rosca que contiene al soporte pendiente opcional del montaje de la pipa o de la pared
- Fil logeant à la parenthèse en suspens facultative de bâti de pipe ou de mur
- Gewinde, das zum wahlweise freigestellten pendent Rohr- oder Wandeingassungshaltewinkel unterbringt
- Linha que abriga ao suporte pendent opcional da montagem da tubulação ou da parede
- Filetto che alloggia alla staffa pendent facoltativa del supporto della parete o del tubo

For Pendant or Wall mount applications

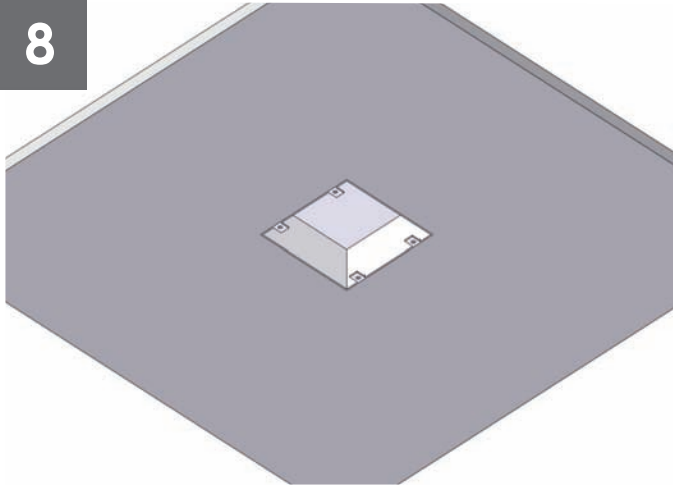
7



Finish assembly with Pendant or Wall mount (not supplied)

- Asamblea del final con el montaje pendiente o de la pared (not supplied)
- Finition avec le bâti en suspens ou de mur (not supplied)
- Ende mit Pendent oder Wandeingassung (not supplied)
- Conjunto do revestimento com a montagem Pendent ou da parede (not supplied)
- Assemblea di rivestimento con il supporto della parete o Pendent (not supplied)

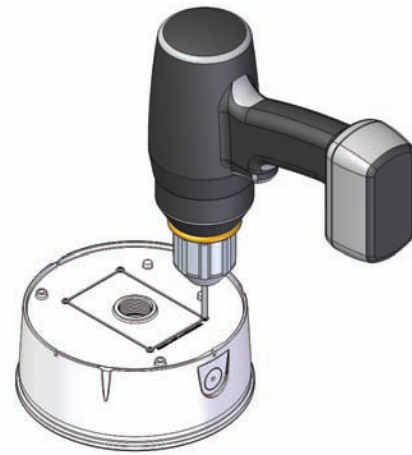
8



Housing is designed to mount to 4¹¹/₁₆ x 4¹¹/₁₆" electrical box. Mount box securely to ceiling structure

- La cubierta se diseña para montar a 4 11/16 x 4 11/16" caja eléctrica. Caja del montaje con seguridad a la estructura del techo
- Le logement est conçu pour monter dans 4 11/16 x 4 11/16" boîte électrique. Boîte de bâti solidement à la structure de plafond
- Gehäuse ist entworfen, um zu 4 11/16 x 4 11/16" elektrischem Kasten anzubringen. Einfassungskasten sicher zur Deckenstruktur
- A carcaça é projetada montar a 4 11/16 x 4 11/16" de caixa elétrica. Caixa da montagem firmemente à estrutura do teto
- L'alloggiamento è destinato per montare a 4 11/16 x 4 11/16,, di scatola elettrica. Contenitore di supporto saldamente alla struttura del soffitto

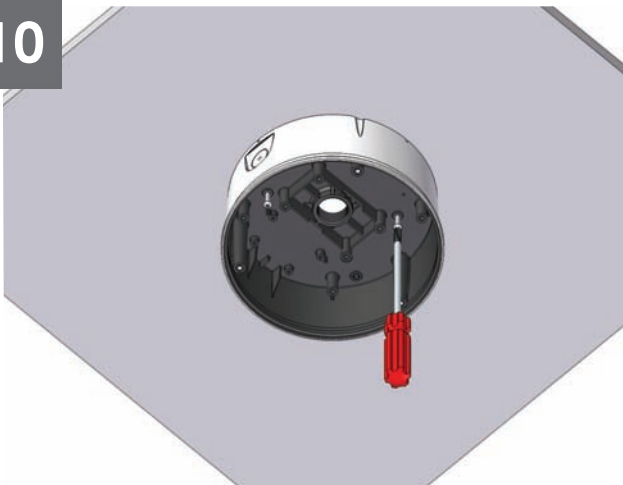
9



Drill out appropriate (2) mounting holes

- Taladre (2) los agujeros de montaje apropiados
- Percez (2) les trous de montage appropriés
- Bohren Sie passende (2) Entlüftungslöcher heraus
- Fure (2) furos de montagem apropriados
- Estragga adatto (2) fori di montaggio

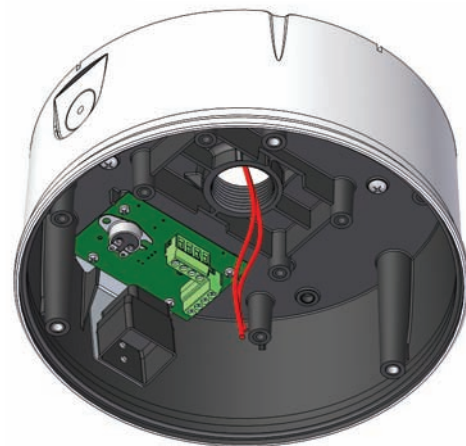
10



Secure with appropriate mounting screws

- Asegure con los tornillos de montaje apropiados
- Fixez avec les vis de support appropriées
- Sichern Sie mit passenden Befestigungsschrauben
- Fixe com os parafusos de montagem apropriados
- Fissi con le viti di montaggio adatte

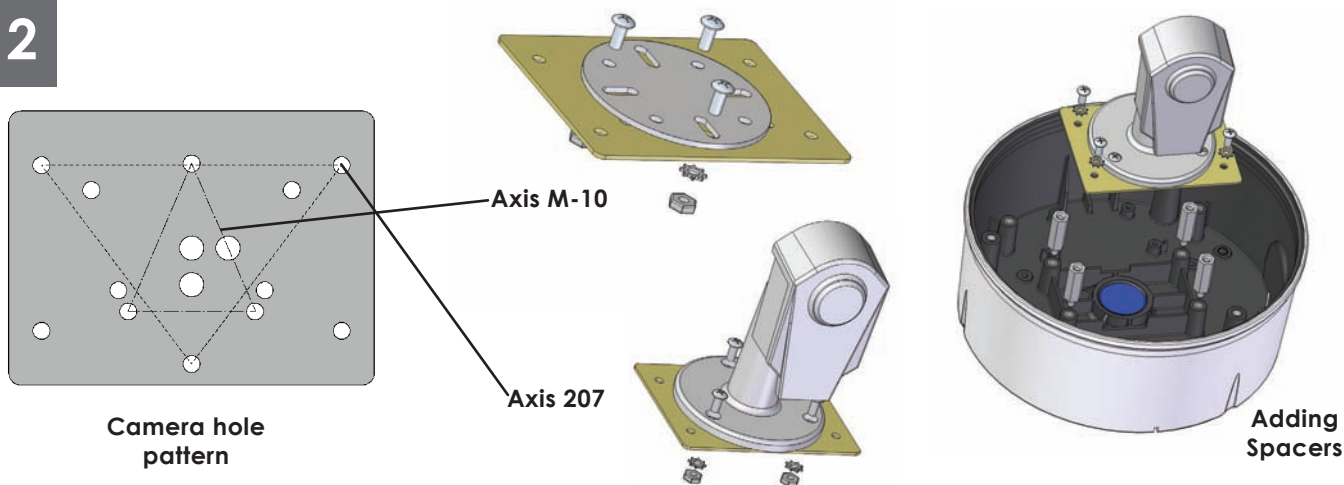
11



Feed wiring through threaded hole

- Cableado de la alimentación a través del agujero roscado
- Câblage d'alimentation par le trou fileté
- Zufuhrverdrahtung durch verlegtes Loch
- Fiação da alimentação através do furo rosqueado
- Collegamenti dell'alimentazione attraverso il foro filettato

12

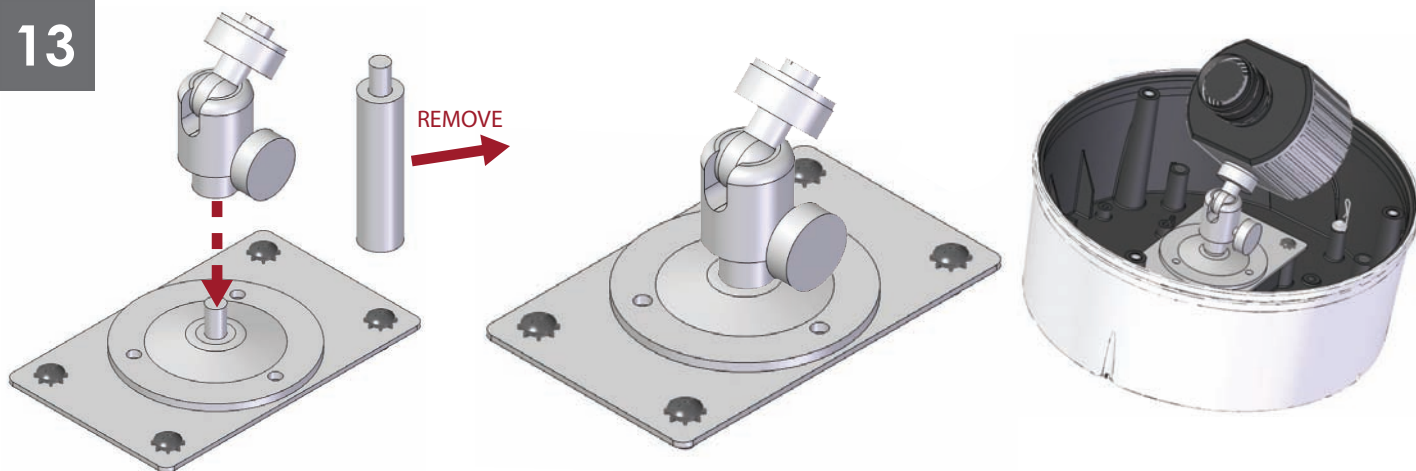


Attach Axis camera mount to camera base plate. Use (4) 1" spacers and attach camera base plate to housing.

- Ate el montaje de cámara del eje al embase de la cámara. Utilice (4) los" espaciadores 1 y ate el embase de la cámara a la cubierta.
- Attachez la monture de caméra d'axe à l'embase d'appareil-photo. Employez (4) les » entretoises 1 et attachez l'embase d'appareil-photo au logement.
- Bringen Sie Mittellinienkameraeinfassung zur Grundplatte der Kamera an. Verwenden Sie (4) " Distanzscheiben 1 und bringen Sie Grundplatte der Kamera zum Gehäuse an.
- Una a montagem de câmara da linha central à placa baixa da câmara. Use (os" espaçadores 4) 1 e una a placa baixa da câmara à carcaça.
- Attacchi il supporto di macchina fotografica di asse alla base di appoggio della macchina fotografica. Usi (4) „ i distanziatori 1 ed attaccano la base di appoggio della macchina fotografica ad alloggiamento.

Arecont AV5100

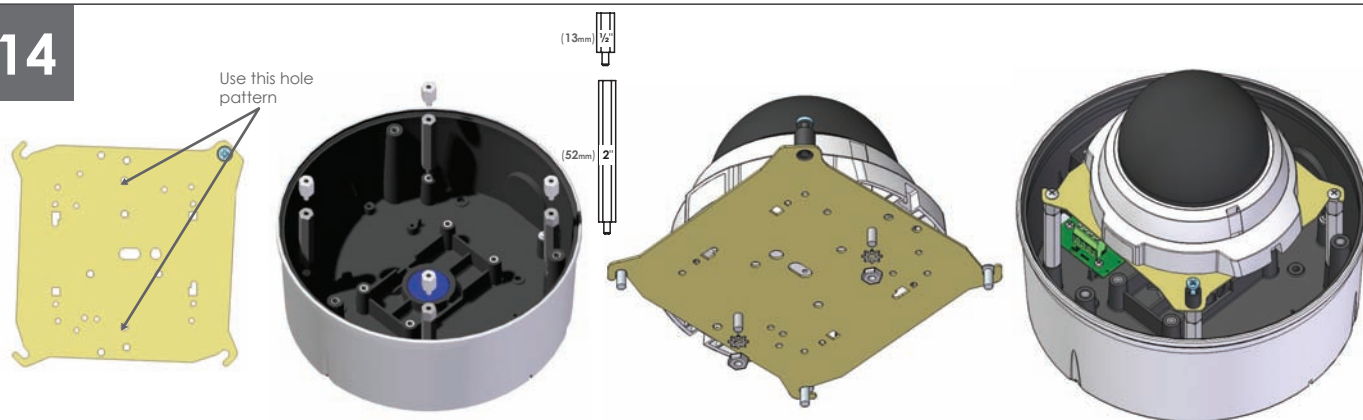
13



Remove center section from fixed camera bracket. Attach to mounting plate with hardware provided. Secure and complete wiring connections.

- Quite la sección de centro del soporte fijo de la cámara. Ate a la pletina con el hardware proporcionado. Asegure y termine las conexiones del cableado.
- Enlevez la section centrale de la parenthèse fixe d'appareil-photo. Attachez au plat de support avec le matériel fourni. Fixez et accomplissez les raccordements de câblage.
- Entfernen Sie mittleren Abschnitt von örtlich festgelegtem Kamerahaltewinkel. Bringen Sie zur Montageplatte mit der bereitgestellten Hardware an. Sichern Sie und schließen Sie Verdrahtungsanschlüsse ab.
- Remova a seção center de suporte fixo da câmara. Una à placa de montagem com a ferragem fornecida. Fixe e termine conexões da fiação.
- Rimuova la sezione concentrare dalla staffa fissa della macchina fotografica. Attacchi al giunto di supporto con fissaggi forniti. Assicuri e completi i collegamenti dei collegamenti.

14



Install (4) .5" + (4) 2.0" spacers to center bosses

- Instale (4) .5" + (4) 2.0" espaciadores para centrar los jefes
- Installez (4) .5" + (4) 2.0" entretoises pour centrer des patrons
- Bringen Sie (4) .5" + (4) 2.0" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) .5" + (4) 2.0" espaçadores para centrar saliências
- Installi (4) .5,, + (4) 2.0,, distanziatori per concentrarsi le sporgenze

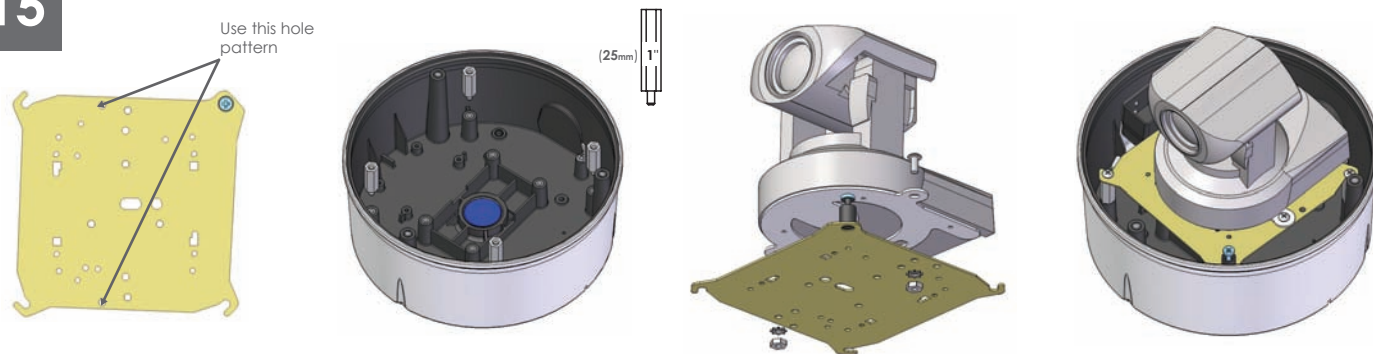
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

15



Install (4) 1" spacer to center bosses

- Instale (4) 1" espaciador para centrar los jefes
- Installez (4) 1" entretoise pour centrer des patrons
- Bringen Sie (4) 1" Distanzscheibe an, um Chefs zu zentrieren
- Instale (4) 1" espaçador para centrar saliências
- Installi (4) 1,, distanziatore per concentrarsi le sporgenze

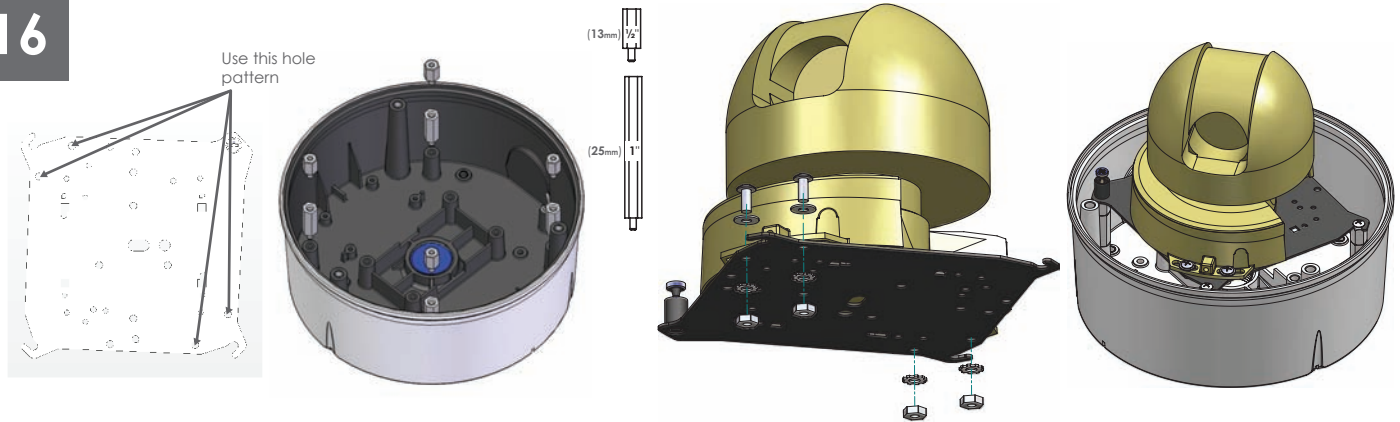
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

16



Install (4) .5" + (4) 1.0" spacers to center bosses

- Instale (4) .5" + (4) 1.0" espaciadores para centrar los jefes
- Installez (4) .5" + (4) 1.0" entretoises pour centrer des patrons
- Bringen Sie (4) .5" + (4) 1.0" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) .5" + (4) 1.0" espaçadores para centrar saliências
- Installi (4) .5,, + (4) 1.0,, distanziatori per concentrarsi le sporgenze

Secure camera quick release mounting plate with #8 hardware provided

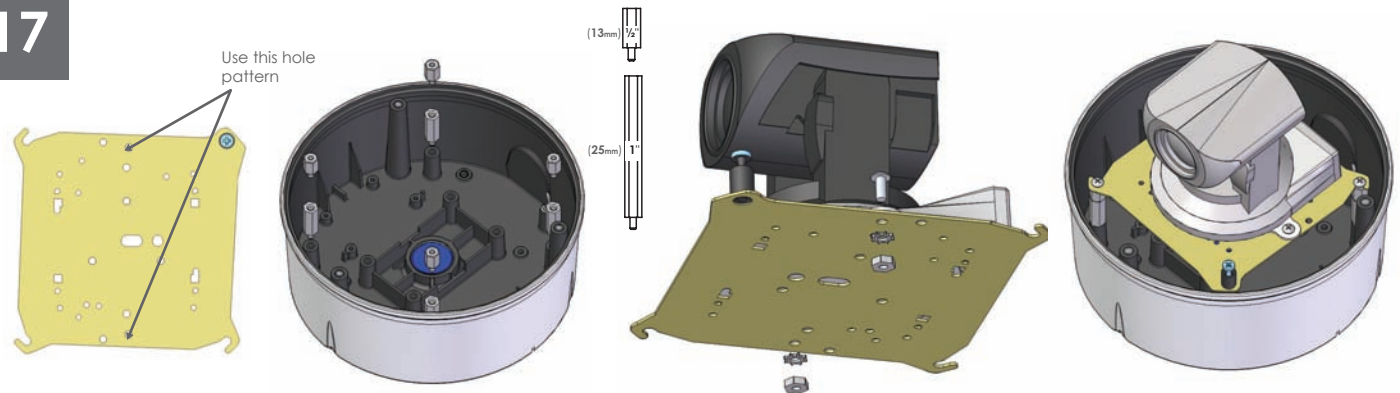
- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

Canon VB-C50iR CAMERA

17



Install (4) .5" + (4) 1.0" spacers to center bosses

- Instale (4) .5" + (4) 1.0" espaciadores para centrar los jefes
- Installez (4) .5" + (4) 1.0" entretoises pour centrer des patrons
- Bringen Sie (4) .5" + (4) 1.0" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) .5" + (4) 1.0" espaçadores para centrar saliências
- Installi (4) .5,, + (4) 1.0,, distanziatori per concentrarsi le sporgenze

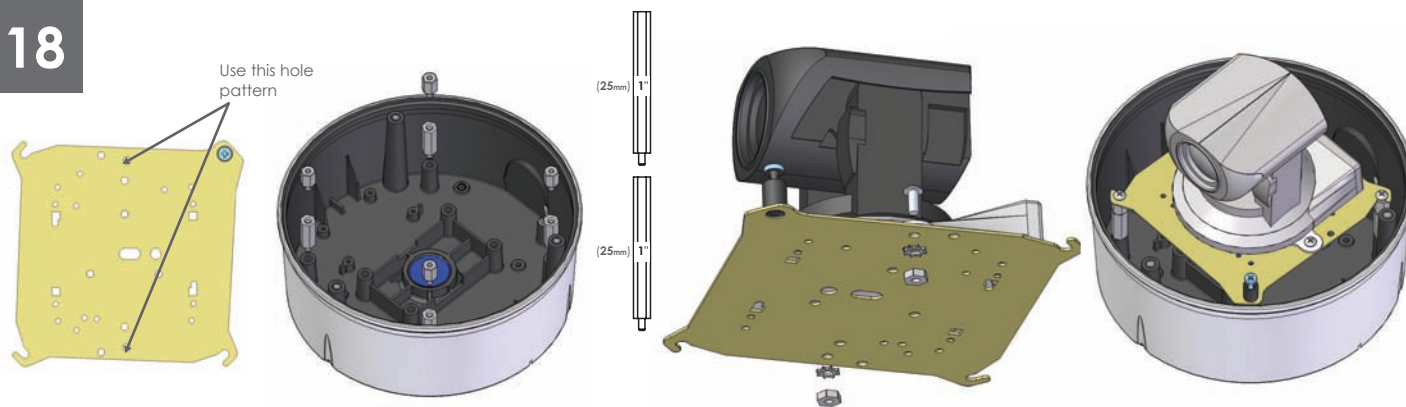
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

18



Install (4) .5" + (4) 1.0" spacers to center bosses

- Instale (4) .5" + (4) 1.0" espaciadores para centrar los jefes
- Installez (4) .5 » + (4) 1.0 » entretoises pour centrer des patrons
- Bringen Sie (4) .5" + (4) 1.0" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) .5" + (4) 1.0" espaçadores para centrar saliências
- Installi (4) .5,, + (4) 1.0,, distanziatori per concentrarsi le sporgenze

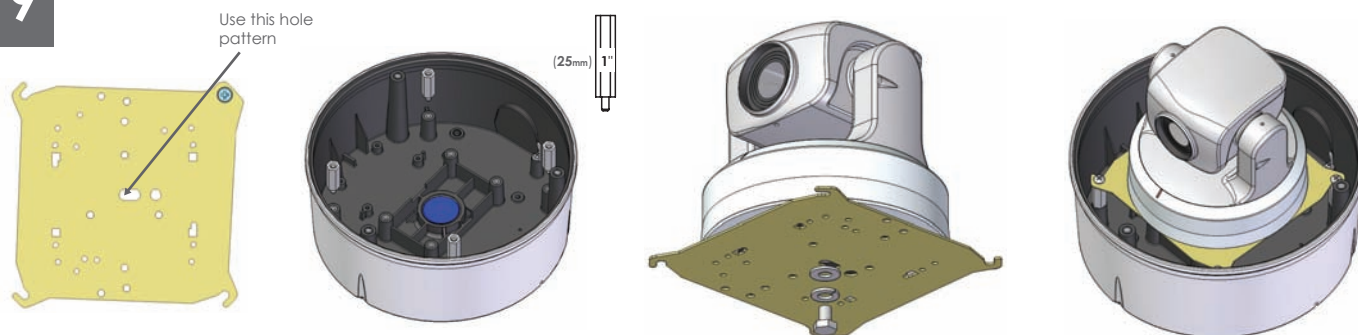
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

19



Install (4) 1" spacer to center bosses

- Instale (4) 1" espaciador para centrar los jefes
- Installez (4) 1 » entretoise pour centrer des patrons
- Bringen Sie (4) 1" Distanzscheibe an, um Chefs zu zentrieren
- Instale (4) 1" espaçador para centrar saliências
- Installi (4) 1,, distanziatore per concentrarsi le sporgenze

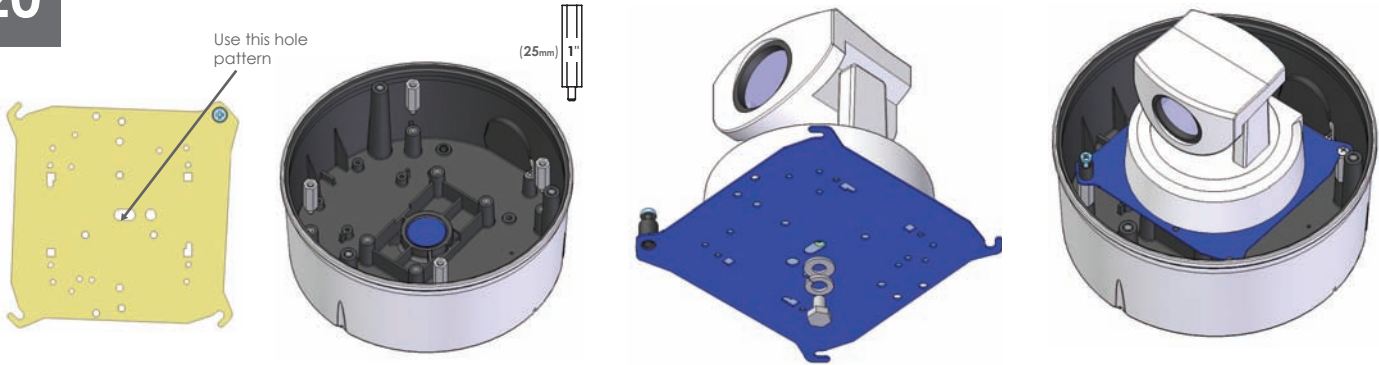
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

20



Install (4) 1" spacer to center bosses

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- Installez (4) 1 » entretoise pour centrer des patrons
- Bringen Sie (4) 1" Distanzscheibe an, um Chefs zu zentrieren
- Instale (4) 1" espaçador para centrar saliências
- Installi (4) 1,, distanziatore per concentrarsi le sporgenze

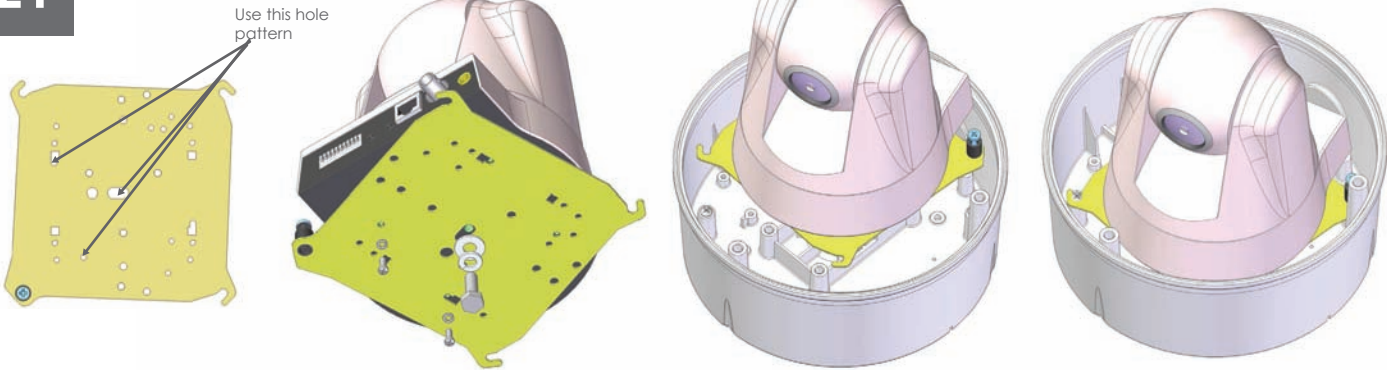
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

21



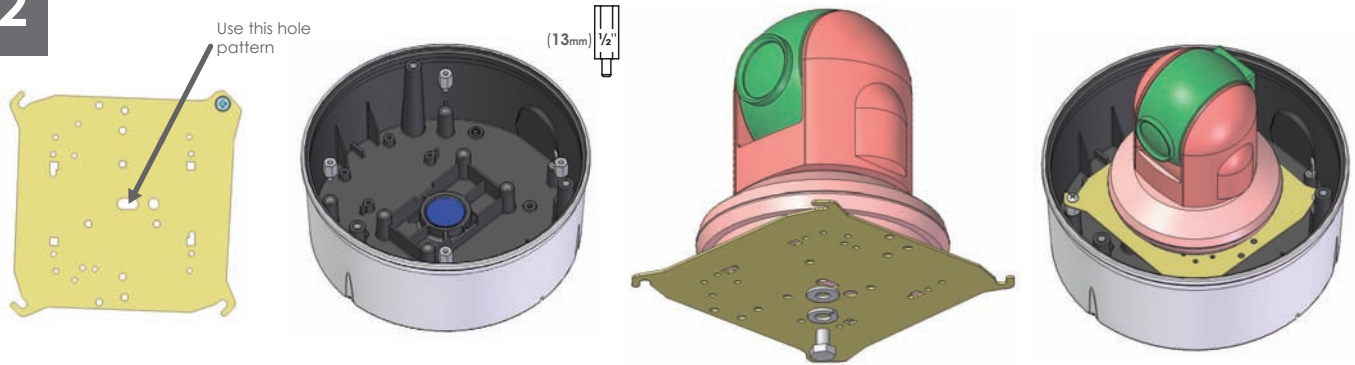
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

22



Install (4) 1/2" spacers to center bosses

- Instale (4) espaciadores del 1/2 los" para centrar los jefes
- Entretoises installez (4) 1/2 des » pour centrer des patrons
- Bringen Sie (4) 1/2" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) espaçadores do 1/2" para centrar saliências
- Installi (4) distanziatori del 1/2,, per concentrarsi le sporgenze

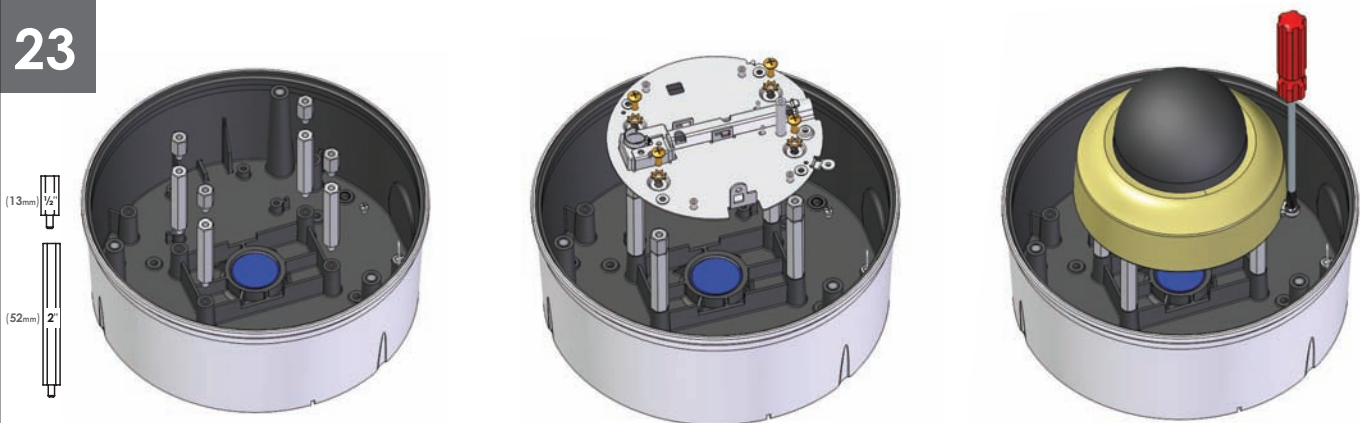
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

23



Install (4) .5" + (4) 2.0" spacers to center bosses

- Instale (4) .5" + (4) 2.0" espaciadores para centrar los jefes
- Installez (4) .5 » + (4) 2.0 » entretoises pour centrer des patrons
- Bringen Sie (4) .5" + (4) 2.0" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) .5" + (4) 2.0" espaçadores para centrar saliências
- Installi (4) .5,, + (4) 2.0,, distanziatori per concentrarsi le sporgenze

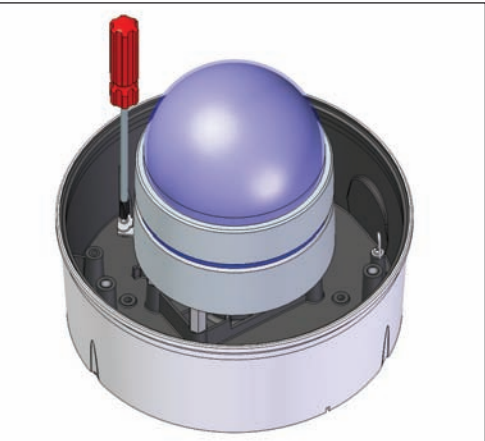

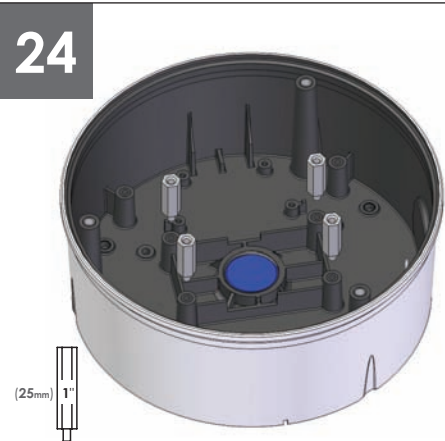
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Secure camera safety screw

- Asegure el tornillo de la seguridad de la cámara
- Fixez la vis de sûreté d'appareil-photo
- Sichern Sie Kamerasicherheitsschraube
- Fixe o parafuso da segurança da câmera
- Fissi la vite di sicurezza della macchina fotografica

24



Install (4) 1" spacer to center bosses

- Instale (4) 1" espaciador para centrar los jefes
- Installez (4) 1 » entretoise pour centrer des patrons
- Bringen Sie (4) 1" Distanzscheibe an, um Chefs zu zentrieren
- Instale (4) 1" espaçador para centrar saliências
- Installi (4) 1,, distanziatore per concentrarsi le sporgenze

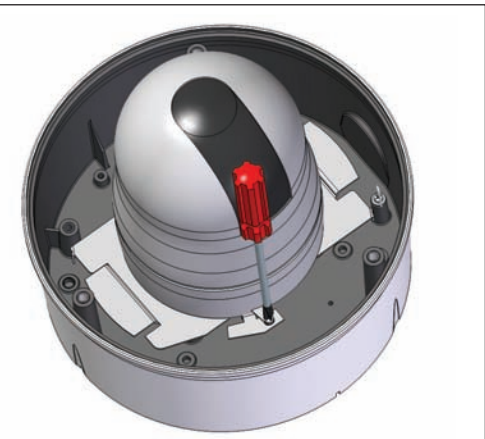

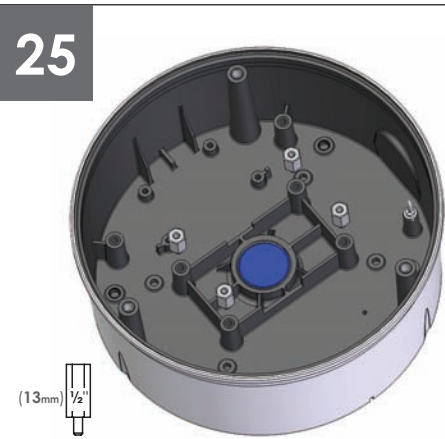
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Secure camera safety screw

- Asegure el tornillo de la seguridad de la cámara
- Fixez la vis de sûreté d'appareil-photo
- Sichern Sie Kamerasicherheitsschraube
- Fixe o parafuso da segurança da câmera
- Fissi la vite di sicurezza della macchina fotografica

25



Install (4) 1/2" spacers to center bosses

- Instale (4) espaciadores del 1/2 los" para centrar los jefes
- Entretoises installez (4) 1/2 des » pour centrer des patrons
- Bringen Sie (4) 1/2" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) espaçadores do 1/2" para centrar saliências
- Installi (4) distanziatori del 1/2,, per concentrarsi le sporgenze

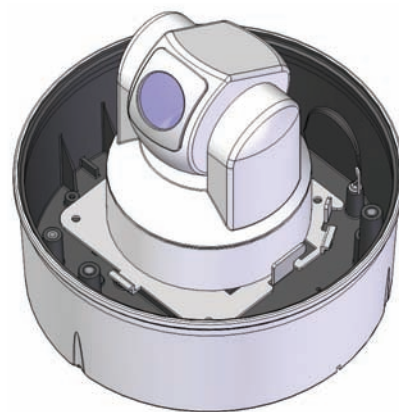
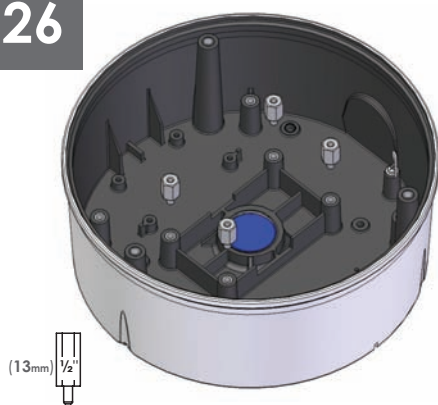
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

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Install (4) 1/2" spacers to center bosses

- Instale (4) espaciadores del 1/2 los" para centrar los jefes
- Entretoises installez (4) 1/2 des » pour centrer des patrons
- Bringen Sie (4) 1/2" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) espaçadores do 1/2" para centrar saliências
- Installi (4) distanziatori del 1/2,, per concentrarsi le sporgenze

Secure camera quick release mounting plate with #8 hardware provided

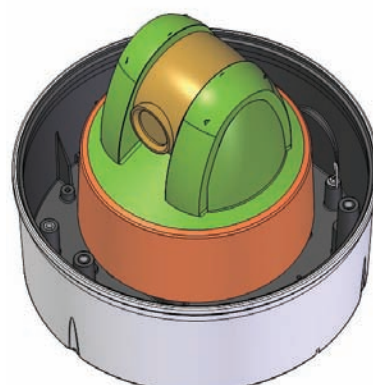
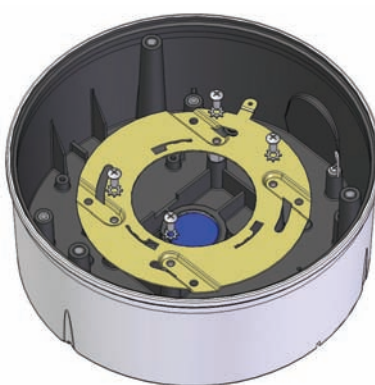
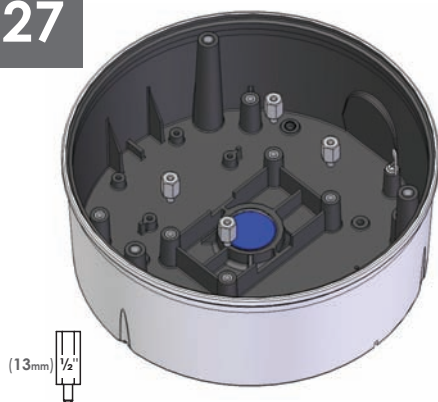
- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

ELMO 400 CAMERA

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Install (4) 1/2" spacers to center bosses

- Instale (4) espaciadores del 1/2 los" para centrar los jefes
- Entretoises installez (4) 1/2 des » pour centrer des patrons
- Bringen Sie (4) 1/2" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) espaçadores do 1/2" para centrar saliências
- Installi (4) distanziatori del 1/2,, per concentrarsi le sporgenze

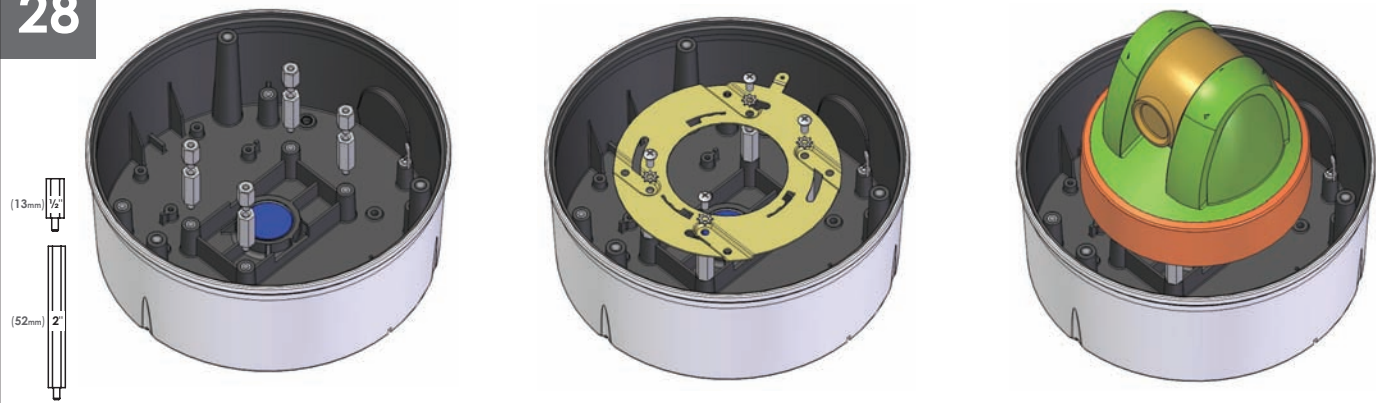
Secure camera quick release mounting plate with #8 hardware provided

- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
- Sichere Montageplatte der schnellen Freigabe der Kamera mit Hardware #8 stellte zur Verfügung
- Placa de montagem segura da liberação rápida da câmera com a ferragem #8 fornecida
- Il giunto di supporto sicuro del rilascio rapido della macchina fotografica con fissaggi #8 ha fornito

Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
- Aperte a ferragem e termine a fiação
- Stringa i fissaggi e completi i collegamenti

28



Install (4) .5" + (4) 1.0" spacers to center bosses

- Instale (4) .5" + (4) 1.0" espaciadores para centrar los jefes
- Installez (4) .5" + (4) 1.0" entretoises pour centrer des patrons
- Bringen Sie (4) .5" + (4) 1.0" Distanzscheiben an, um Chefs zu zentrieren
- Instale (4) .5" + (4) 1.0" espaçadores para centrar saliências
- Installi (4) .5,, + (4) 1.0,, distanziatori per concentrarsi le sporgenze

Secure camera quick release mounting plate with #8 hardware provided

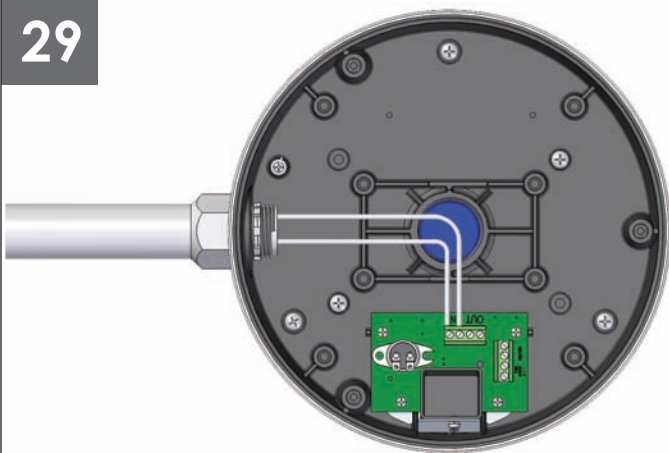
- Pletina segura del lanzamiento rápido de la cámara con el hardware #8 proporcionado
- Le plat de support bloqué de dégagement rapide d'appareil-photo avec le matériel #8 a fourni
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Tighten hardware and complete wiring

- Apriete el hardware y termine el cableado
- Serrez la visserie et accomplissez le câblage
- Ziehen Sie Hardware fest und schließen Sie Verdrahtung ab
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For connecting Heater and Blower power

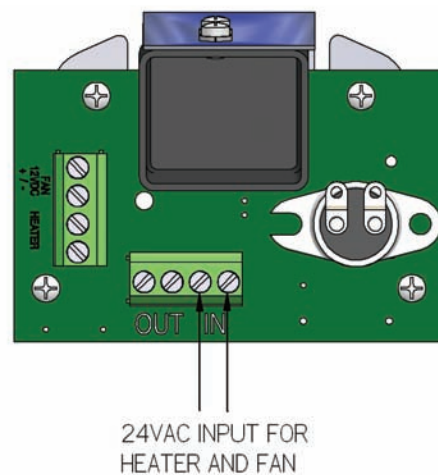
29



24VAC power for Heater blower connect to PCB

- la energía 24VAC para el soplador del calentador conecta con el PWB
- la puissance 24VAC pour le ventilateur de réchauffeur se reliant à la carte
- Energie 24VAC für Heizungsgebläse schließen an PWB an
- o poder 24VAC para o ventilador do calefator conecta ao PWB
- il potere 24VAC per il ventilatore del riscaldatore si collega al PWB

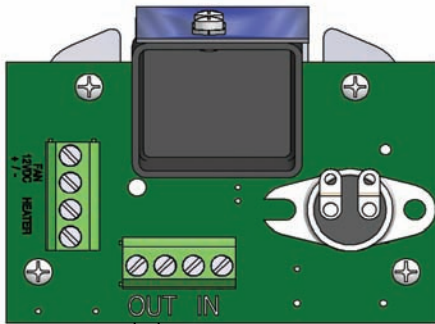
30



Connect power to (2) input terminals labeled "IN"

- Conecte la energía con (2) los terminales entrados etiquetados "EN"
- Reliez la puissance (2) aux bornes entrées marquées « DANS »
- Schließen Sie Energie an (2) die eingegebenen beschrifteten Anschlöß „IN“ an
- Conecte o poder (2) aos terminais entrados etiquetados "EM"
- Colleghi il potere (2) ha immesso i terminali identificati "IN,,

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24 VAC OUTPUT
FOR CAMERA

Power requirements for Heater/Blower 40 watt

- Requisitos de energía para el calentador/el soplador 40 vatios
- Alimentation électrique pour le réchauffeur/ventilateur 40 watts
- Leistungsbedarf für Heizung/Gebläse 40 Watt
- Exigências de poder para o calefator/ventilador 40 watts
- Requisiti di potere del riscaldatore/ventilatore 40 watt

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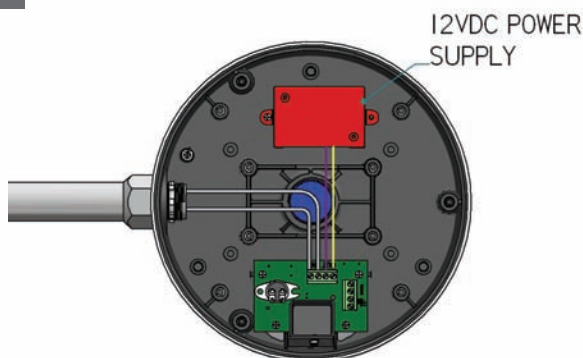
Total vA consumed	Wire Gauge						
	.5 22	.75 20	1.0 18	1.5 16	2.5 14	4 12	6 10
MM ² AWG							
5.5	ft m	400 121	600 182	960 292	-	-	-
10	120 36.5	180 54.9	300 91.4	480 146	800 243	1300 396	-
20	86 27.1	141 43.0	225 68.6	358 109	571 174	905 275	1440 438
30	65 19.8	90 27.4	130 39.6	225 68.6	350 106	525 160	830 252
40	44 13.4	70 21.3	112 34.1	179 54.6	285 86.9	452 138	720 219
50	35 10.6	56 17.1	90 27.4	143 43.6	228 69.5	362 110	576 175
60	29 9.4	47 14.3	75 22.9	119 36.2	190 57.9	301 91.7	480 146
70	25 8.8	40 12.2	64 19.5	102 31.1	163 49.7	258 78.6	411 125
80	31 7.6	34 10.3	55 16.8	85 25.9	140 42.7	215 65.5	340 103

These are recommended maximum distances for 24VAC with a 10% voltage drop.

- Éstos se recomiendan las distancias máximas para 24VAC con una caída de voltaje del 10%.
- Ceux-ci sont recommandés des distances maximum pour 24VAC avec une chute de tension de 10%.
- Diese werden maximale Abstände für 24VAC mit einem 10% Spannungsabfall empfohlen.
- Estes são recomendados distâncias máximas para 24VAC com uma queda de tensão de 10%.
- Questi sono suggeriti distanze massime per 24VAC con una differenza di potenziale di 10%.

33

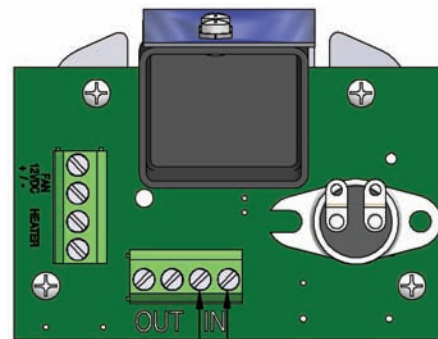
(1.5 Amps Max)



Layout for model with 12VDC power supply

- Disposición del modelo con la fuente de alimentación 12VDC
- Disposition de modèle avec l'alimentation de l'énergie 12VDC
- Plan des Modells mit 12VDC Spg.Versorgungsteil
- Disposição do modelo com fonte de alimentação 12VDC
- Disposizione del modello con l'alimentazione elettrica 12VDC

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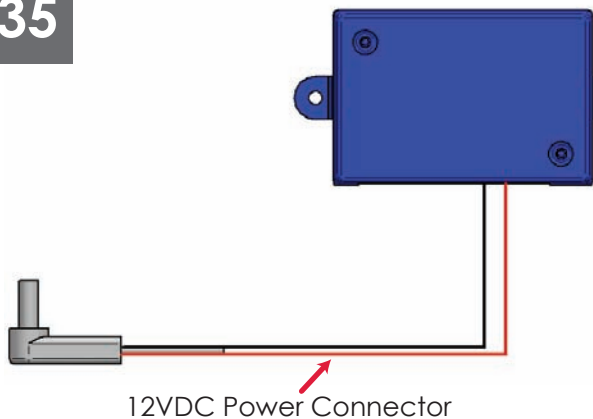


24VAC INPUT FOR
HEATER AND FAN

Input for 12VDC model is same as standard unit

- La entrada para el modelo 12VDC es igual que unidad estándar
- L'entrée pour le modèle 12VDC correspond l'unité standard
- Eingang für Modell 12VDC ist selbe wie Standard-maßeinheit
- A entrada para o modelo 12VDC é mesma que a unidade padrão
- L'input per il modello 12VDC è stesso dell'unità standard

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12VDC Power Connector

Locate 12VDC Power Connector

- Disposición del modelo con la fuente de alimentación 12VDC
- Disposition de modèle avec l'alimentation de l'énergie 12VDC
- Plan des Modells mit 12VDC Spg.Versorgungsteil
- Disposição do modelo com fonte de alimentação 12VDC
- Disposizione del modello con l'alimentazione elettrica 12VDC

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Connect power and control wires to camera

- Conecte la energía y controle los alambres a la cámara
- Reliez la puissance et commandez les fils à l'appareil-photo
- Schließen Sie Energie an und steuern Sie Drähte zur Kamera
- Conecte o poder e controle fios à câmera
- Colleghi il potere e controlli i legare alla macchina fotografica

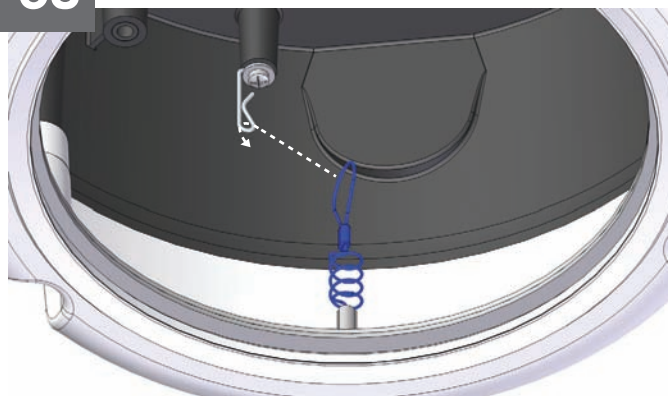
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Install security screw, if desired

- Instale el tornillo de la seguridad, si está deseado
- Installez la vis de sécurité, si désiré
- Bringen Sie Sicherheitsschraube an, wenn Sie gewünscht werden
- Instale o parafuso da segurança, se desejado
- Avviti la vite di sicurezza, se voluto

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Attach lanyard loop to hook

- Ate el lazo del acollador al gancho
- Attachez la boucle de lanière au crochet
- Bringen Sie Abzuglinieschleife zum Haken an
- Una o laço do colhedor ao gancho
- Attacchi il ciclo della cordicella al gancio

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Secure Dome Assembly to housing

- Asegure la asamblea de la bóveda a la cubierta
- Fixez l'Assemblée de dôme au logement
- Befestigen Sie Haube an Gehäuse
- Fixe o conjunto da abóbada à carcaça
- Assicuri l'Assemblea della cupola ad alloggiamento

40

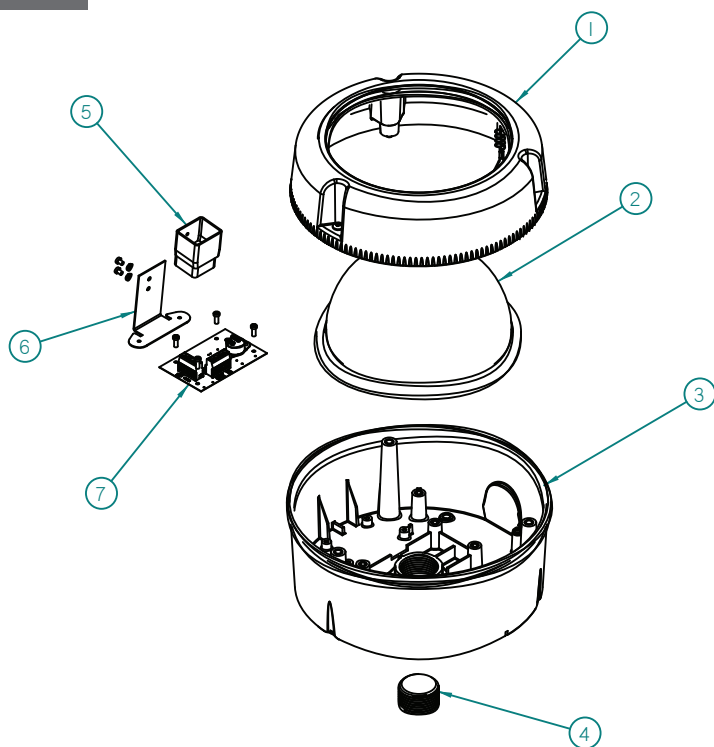


Clean dome with MILD soap and water ONLY

- Limpie la bóveda con el jabón y agua SUAVES SOLAMENTE
- Nettoyez le dôme avec de l'eau le savon et DOUX SEULEMENT
- Säubern Sie Haube mit NUR MILDER Seife und Wasser
- Limpe a abóbada com o sabão e água SUAVES SOMENTE
- Pulisca la cupola con sapone ed acqua DELICATI SOLTANTO

Replacement Parts List

PISM5V



Item Number	Part Number	Comments
1	RP0SM5TR	Replace Trim Ring Assembly
2	RPDC5	Dome and Gasket
3	RP0SM5HG	Housing
4	RP95FSP01	1" NPT Plug
5	RP0SM5HB	Heater / Blower Unit
6	RP0SM5BKT	Heater Bracket
7	RP0SM5PCB	Accessory PCB

Product Registration/Warranty

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